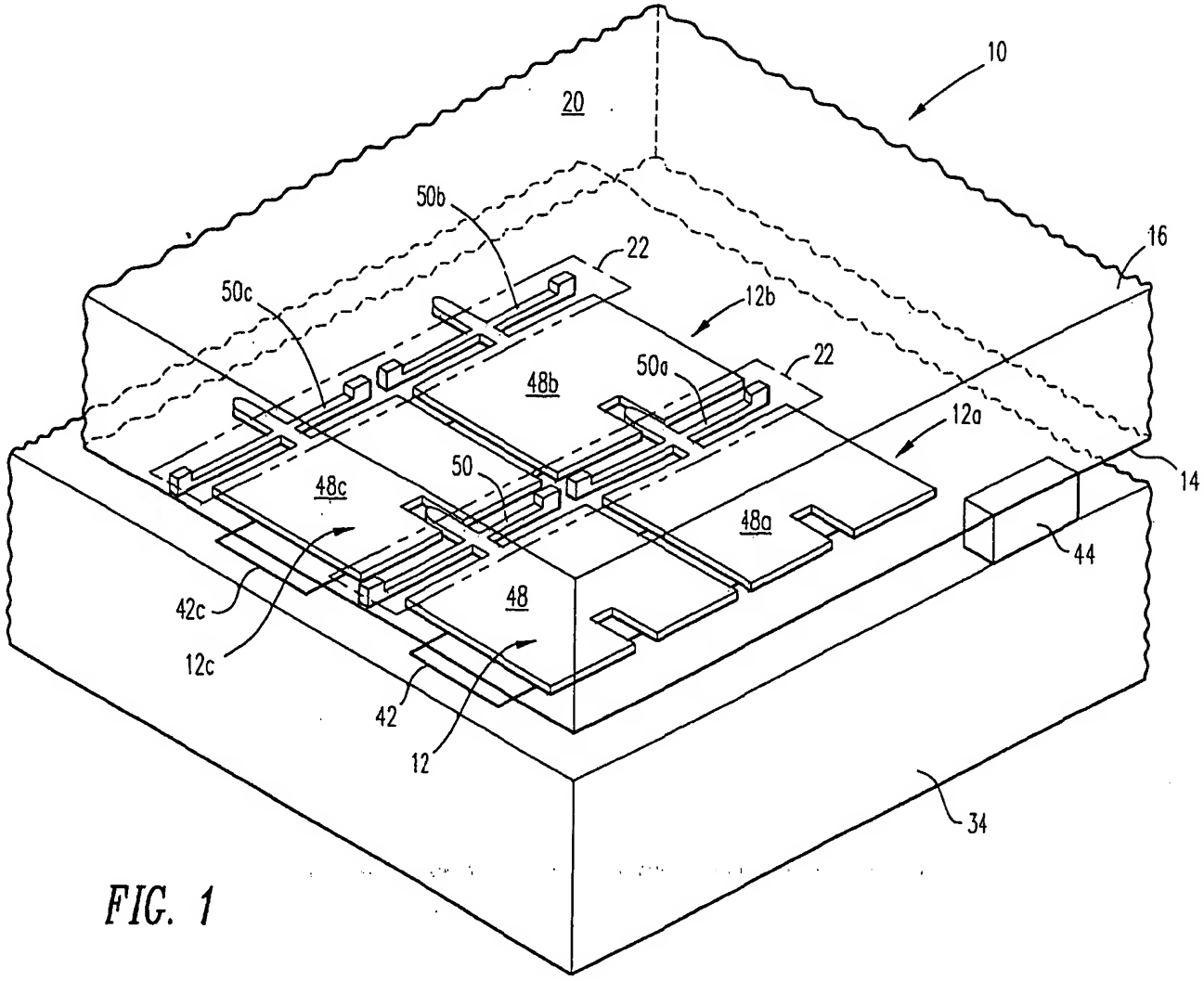
10
20
50b
22
16
50c
12b
22
48b
50a
12a
50
48c
48a
14
44
42c
48
12c
42
12
34

FIG. 1

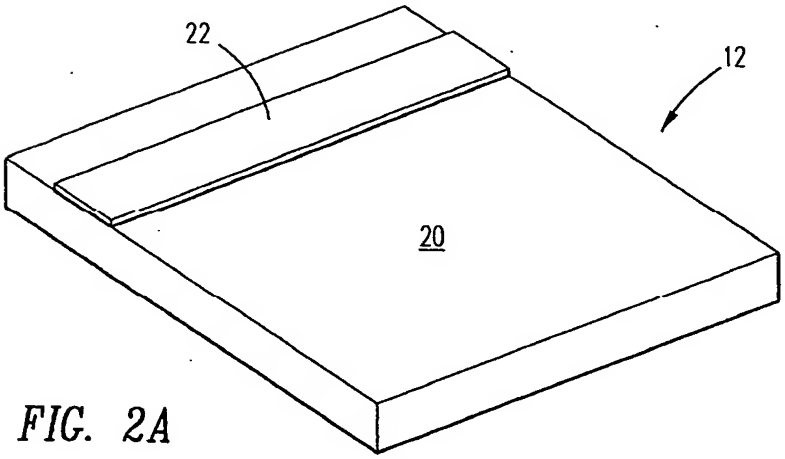


FIG. 2A

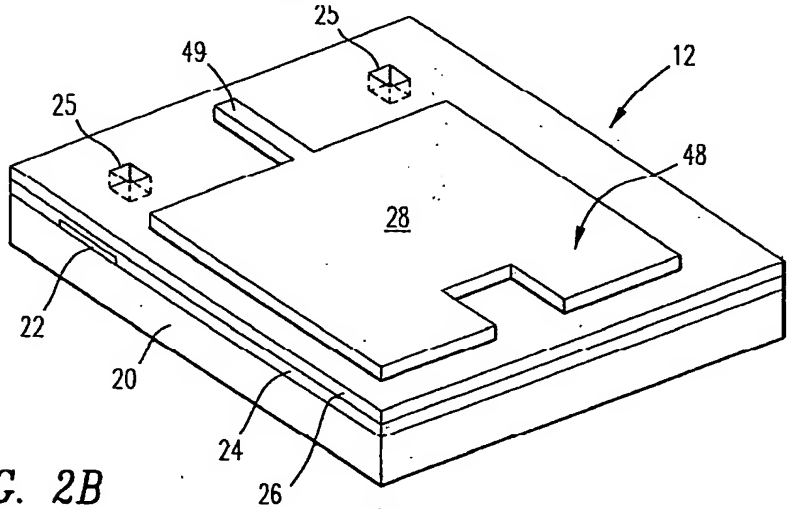


FIG. 2B

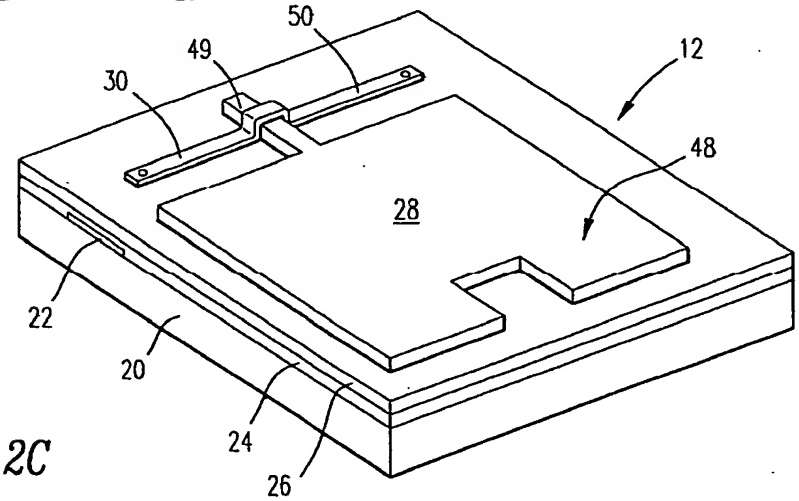


FIG. 2C

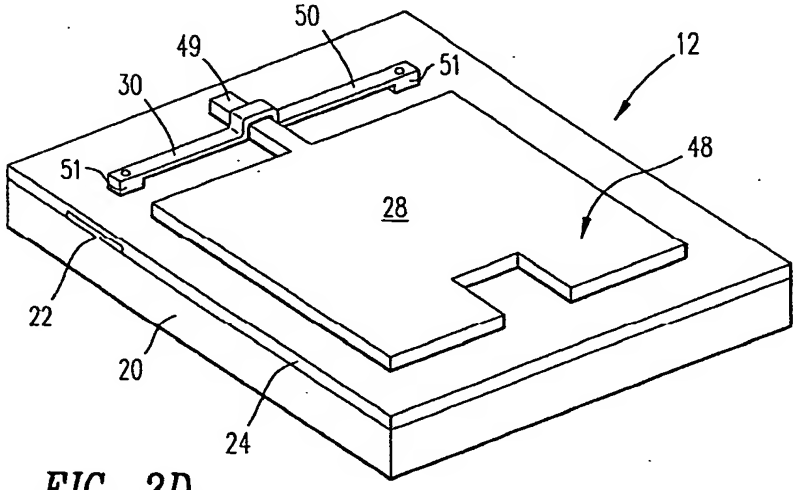


FIG. 2D

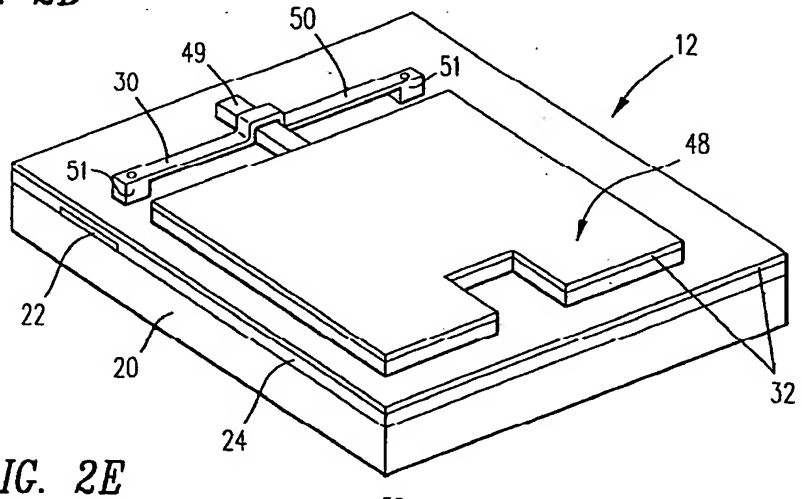


FIG. 2E

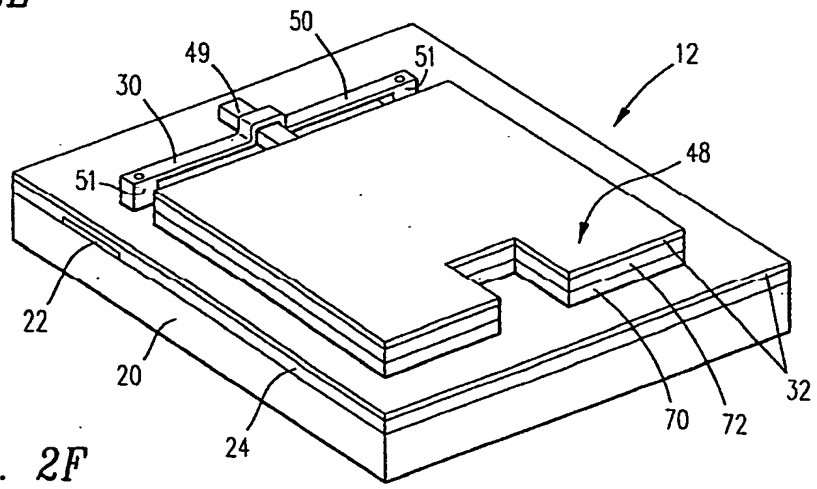


FIG. 2F

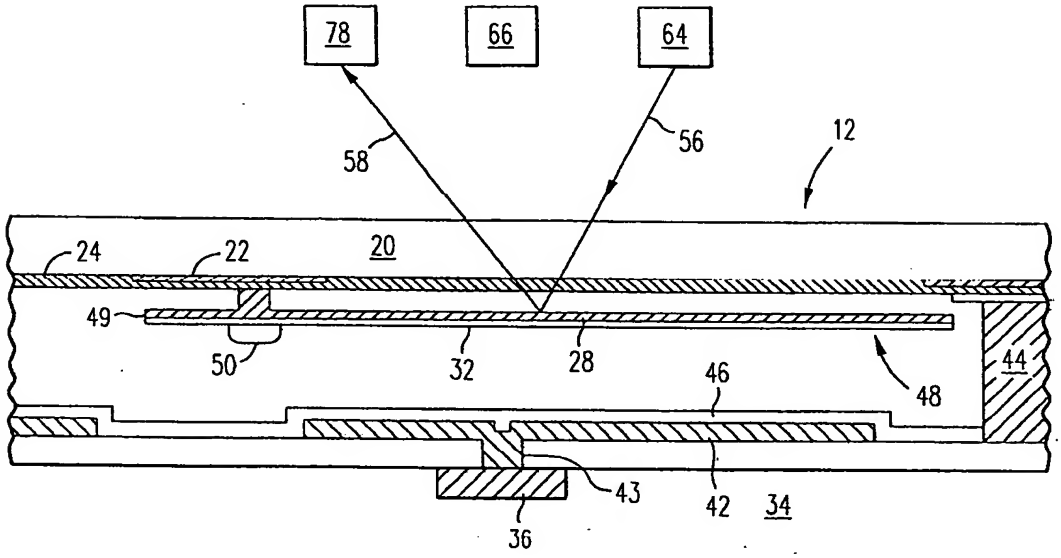
78
66
64
58
56
12
24
22
20
49
50
32
28
46
48
44
43
42
34
36

*FIG. 3A*

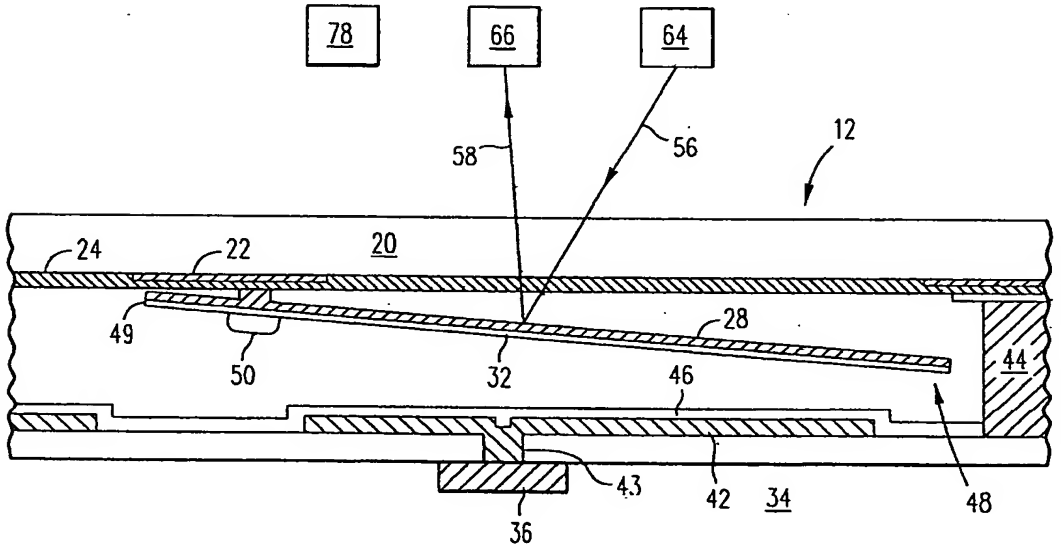
78
66
64
58
56
12
24
22
20
49
50
32
28
46
44
43
42
34
48
36

*FIG. 3B*

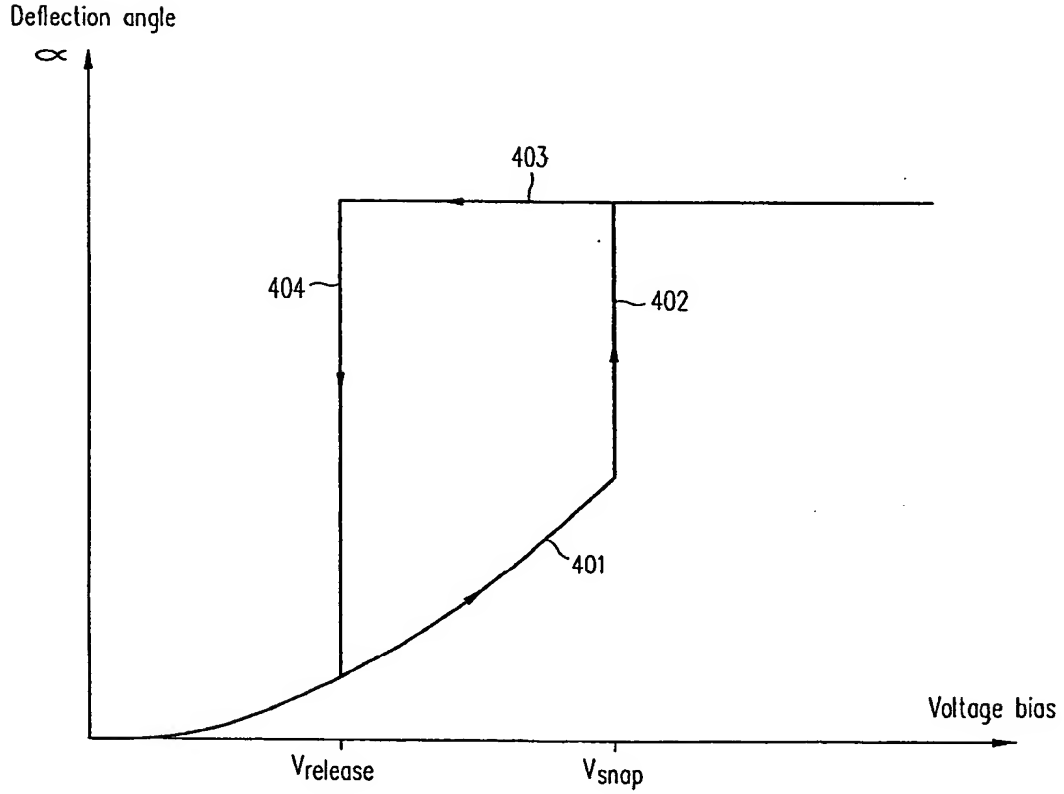
Deflection angle
∝
403
404
402
401
Voltage bias
Vrelease
Vsnap

*FIG. 4*

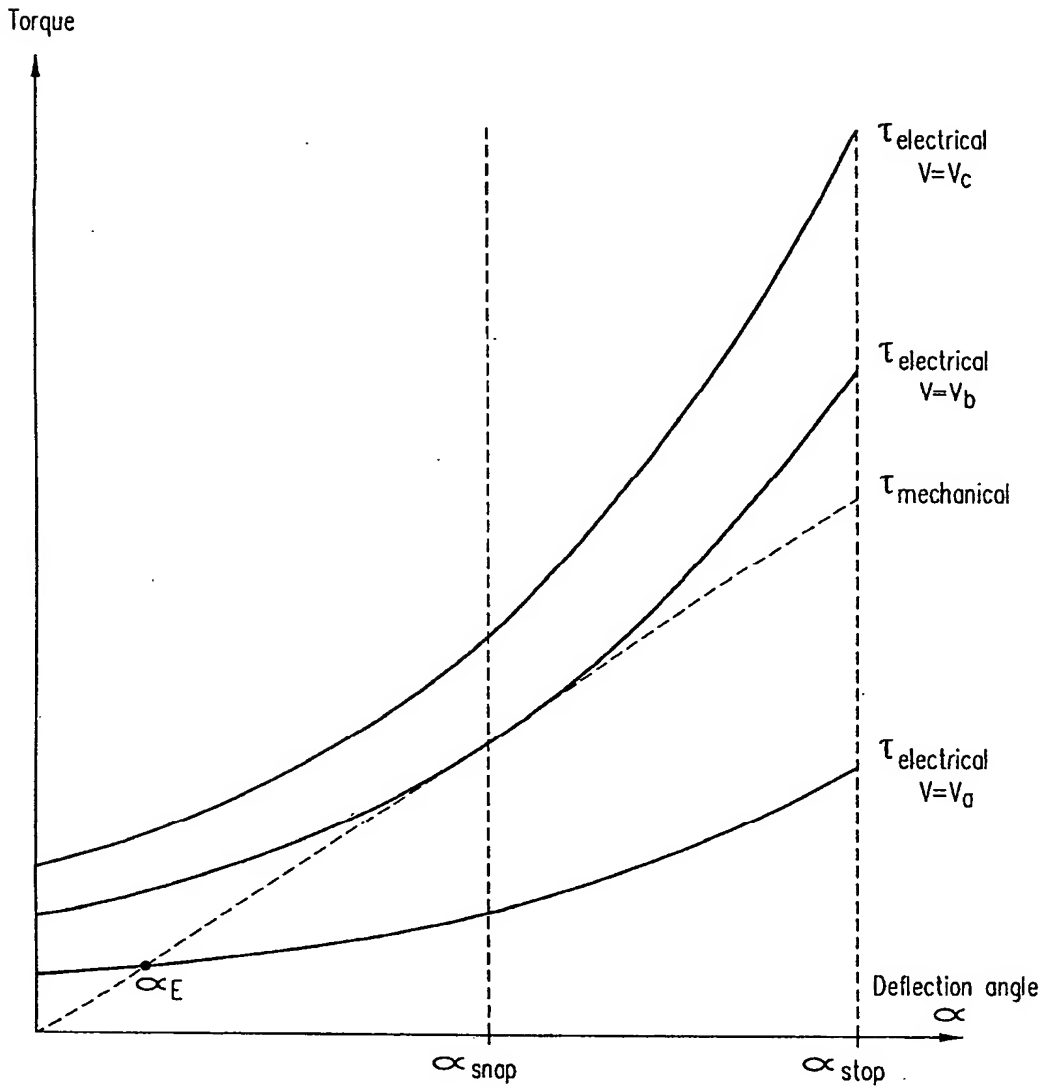
Torque
τ electrical V=Vc
τ electrical V=Vb
τ mechanical
τ electrical V=Va
∝E
Deflection angle ∝
∝ snap
∝ stop

*FIG. 5*

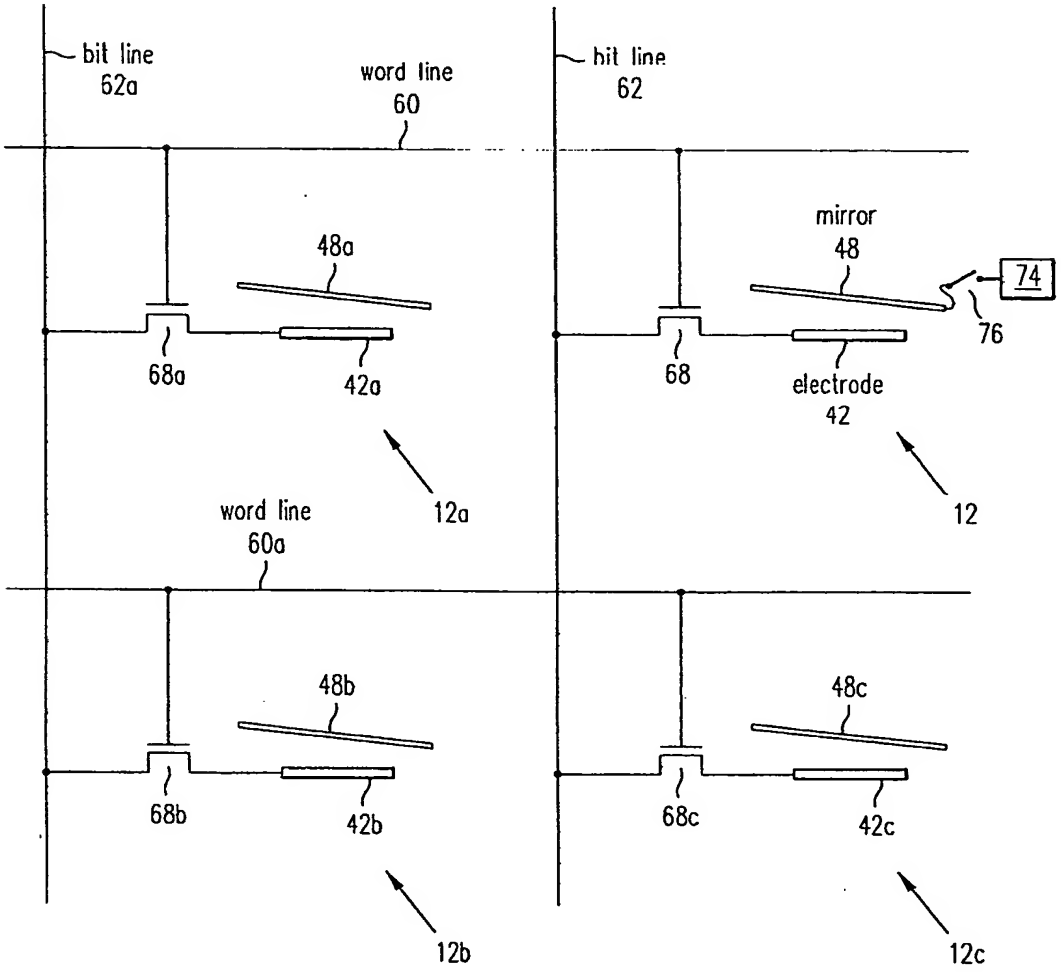
bit line
62a
word line
60
bit line
62
mirror
48
48a
74
76
68a
42a
68
electrode
42
12a
12
word line
60a
48b
48c
68b
42b
68c
42c
12b
12c

*FIG. 6A*

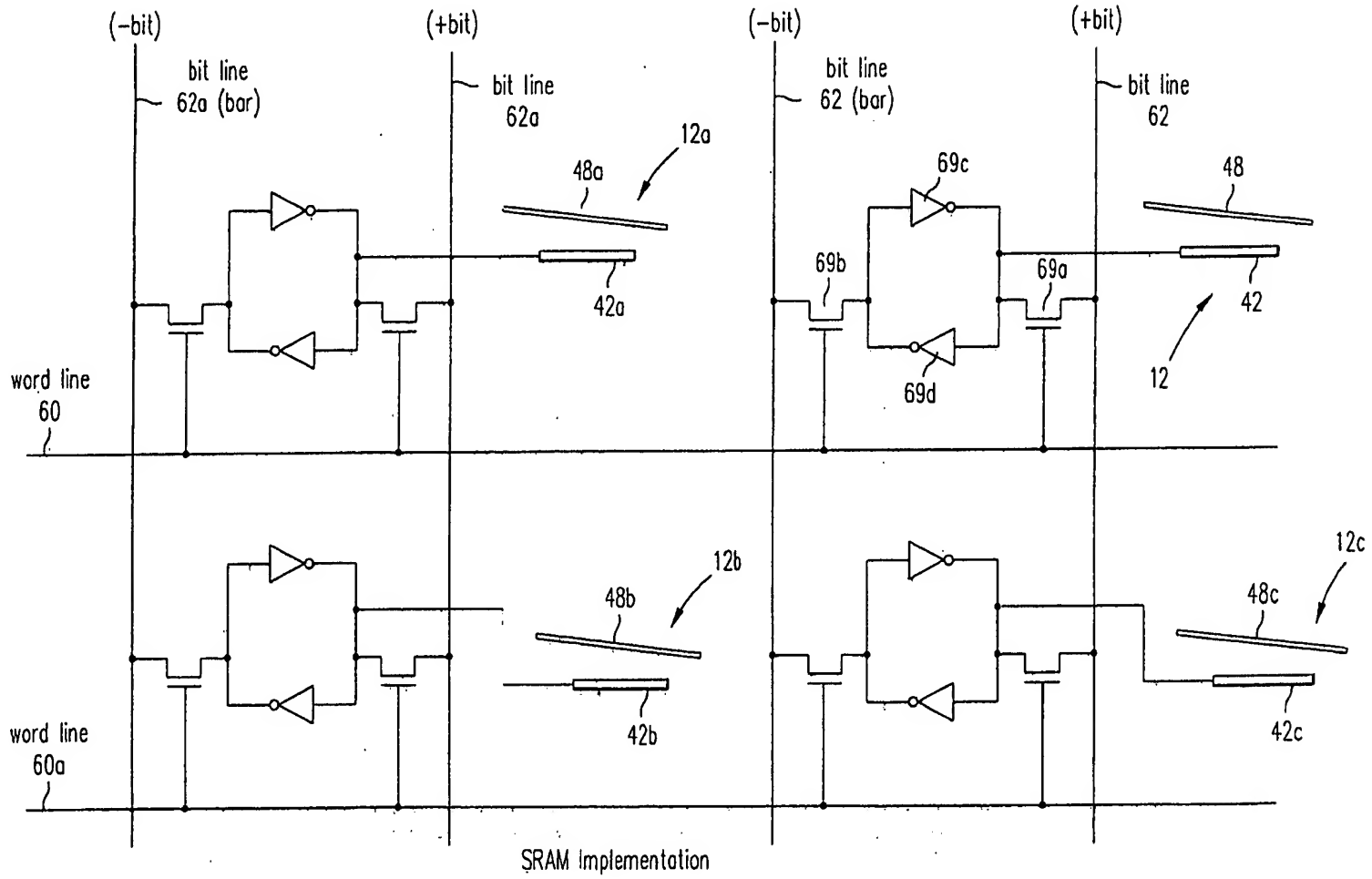
(-bit)
(+bit)
(-bit)
(+bit)
bit line
62a (bar)
bit line
62a
bit line
62 (bar)
bit line
62
12a
48a
69c
48
69b
69a
42a
42
12
69d
word line
60
12b
48b
12c
48c
word line
60a
42b
42c
SRAM Implementation

*FIG. 6B*

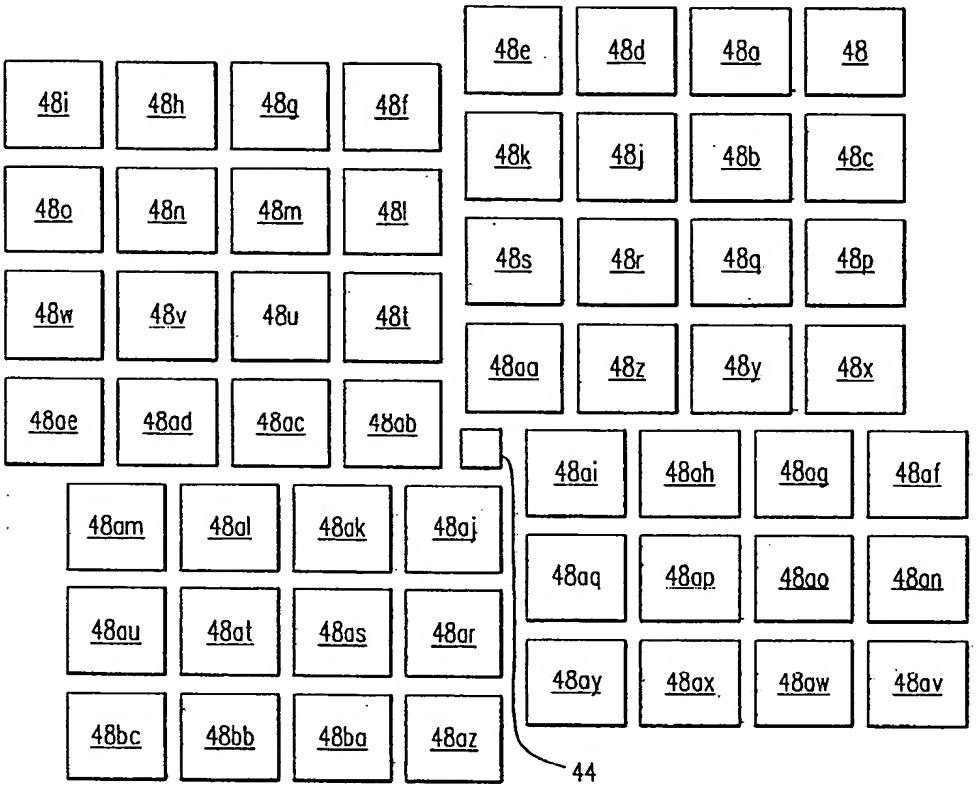
48e
48d
48a
48
48i
48h
48g
48f
48k
48j
48b
48c
48o
48n
48m
48l
48s
48r
48q
48p
48w
48v
48u
48t
48aa
48z
48y
48x
48ae
48ad
48ac
48ab
48ai
48ah
48ag
48af
48am
48al
48ak
48aj
48aq
48ap
48ao
48an
48au
48at
48as
48ar
48ay
48ax
48aw
48av
48bc
48bb
48ba
48az
44

*FIG. 7*

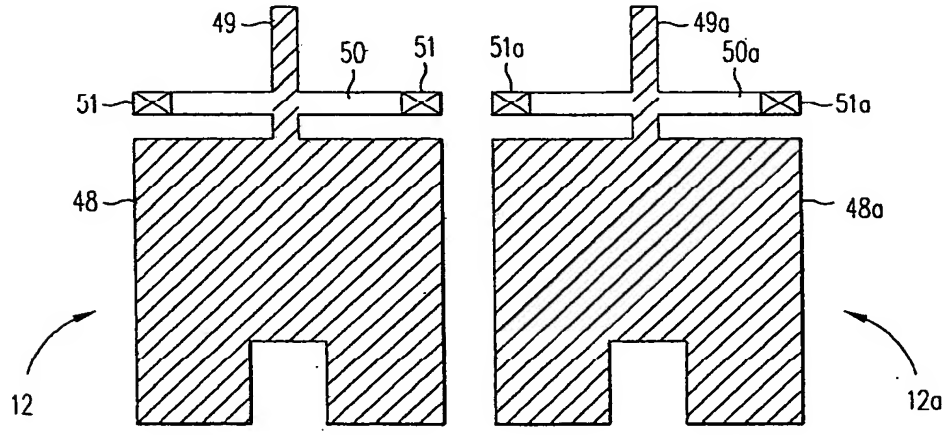
49
50
51
51a
49a
50a
51
51a
48
48a
12
12a

*FIG. 8A*

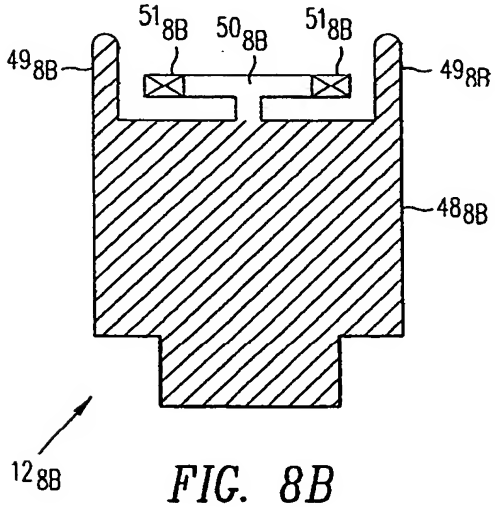
$51_{8B}$
$50_{8B}$
$51_{8B}$
$49_{8B}$
$49_{8B}$
$48_{8B}$
$12_{8B}$

*FIG. 8B*

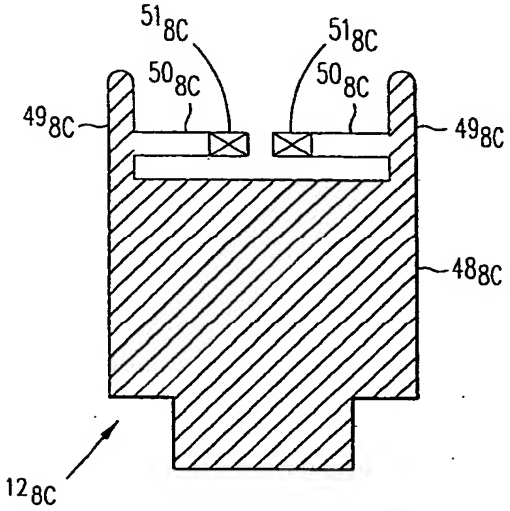


FIG. 8C

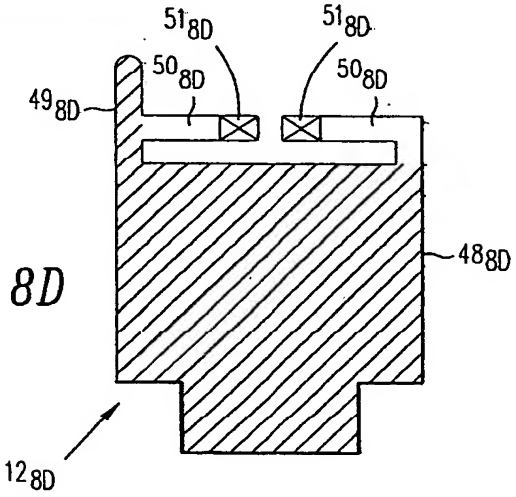


FIG. 8D

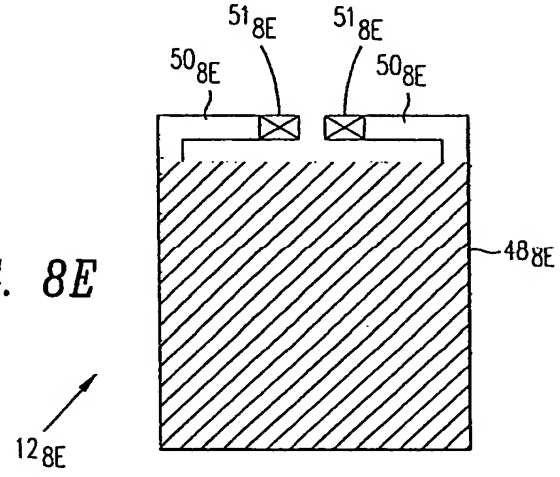


FIG. 8E

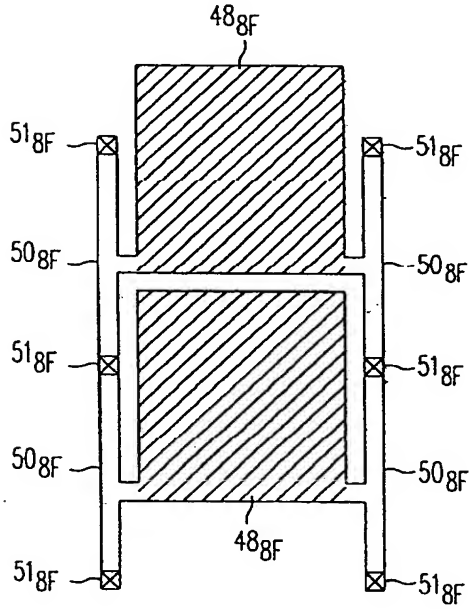


*FIG. 8F*

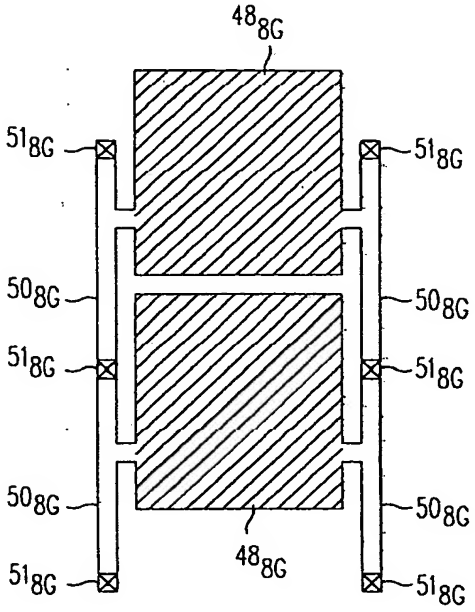


*FIG. 8G*

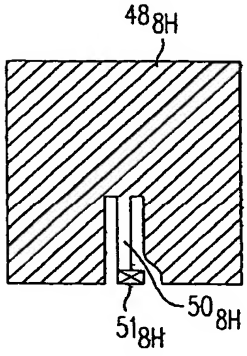


*FIG. 8H*

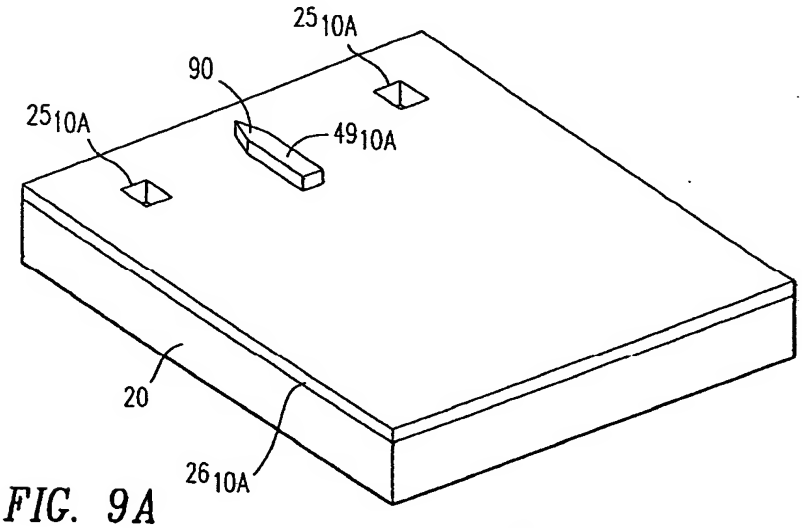


FIG. 9A

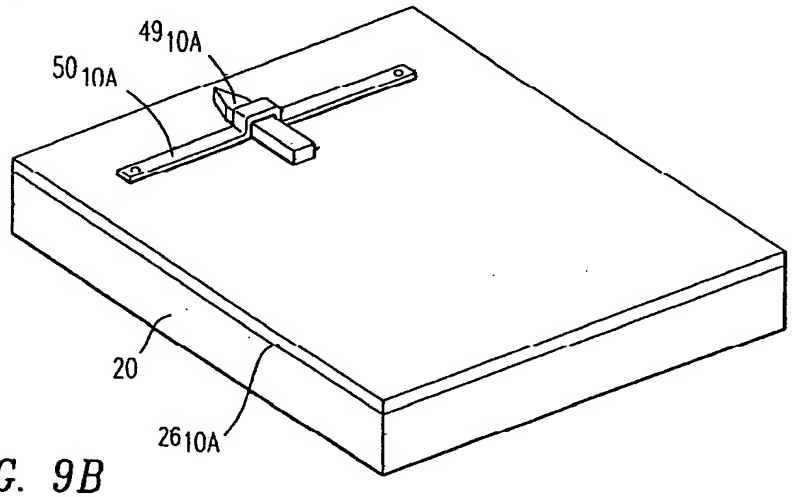


FIG. 9B

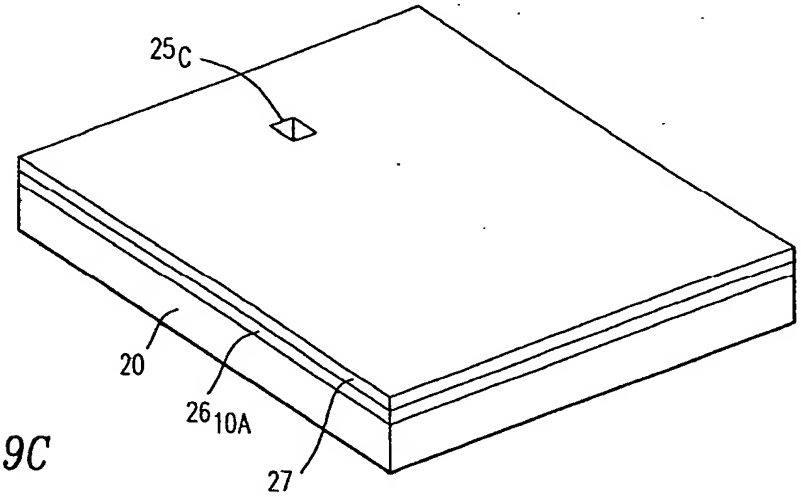


FIG. 9C

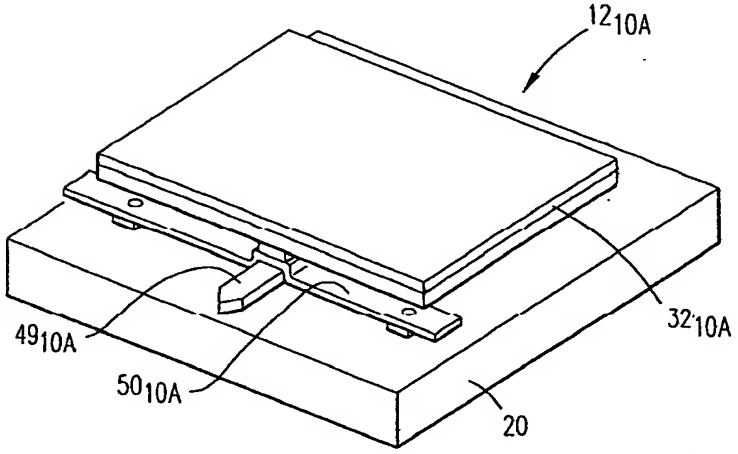


*FIG. 10A*

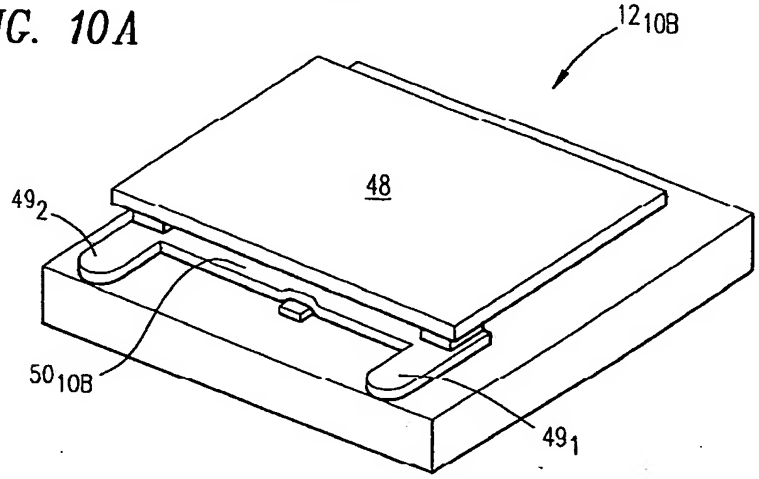


*FIG. 10B*

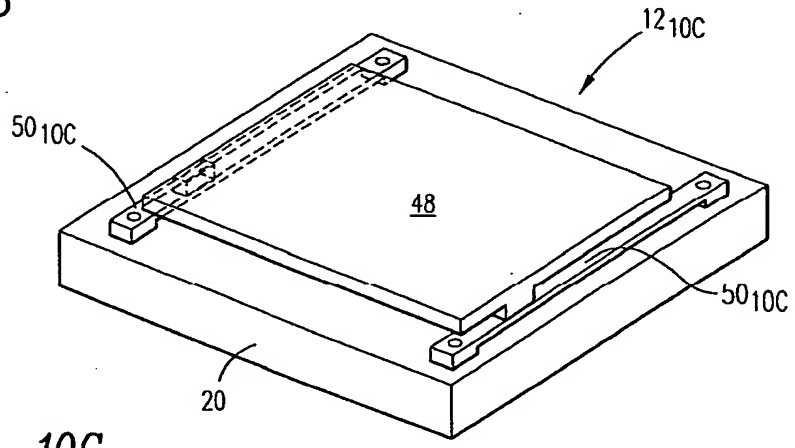


*FIG. 10C*

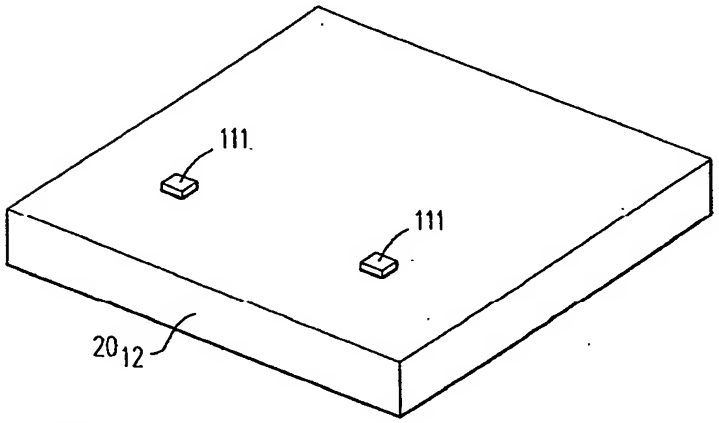


*FIG. 11A*

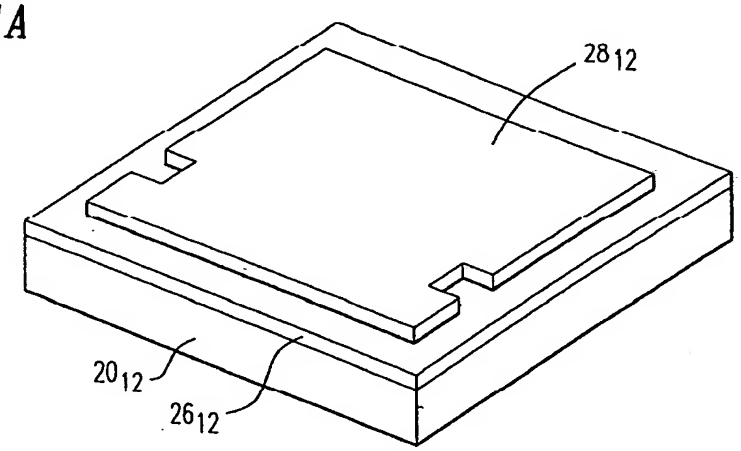


*FIG. 11B*

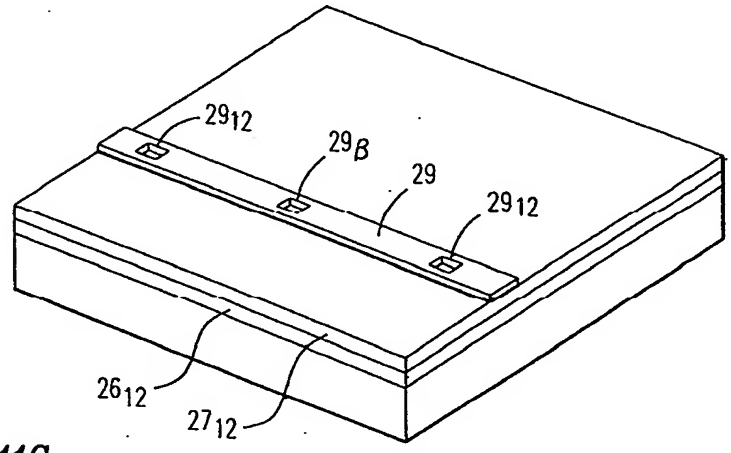


*FIG. 11C*

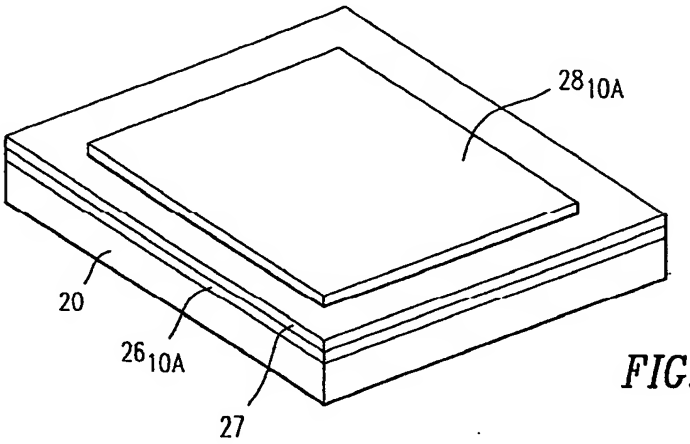


*FIG. 9D*

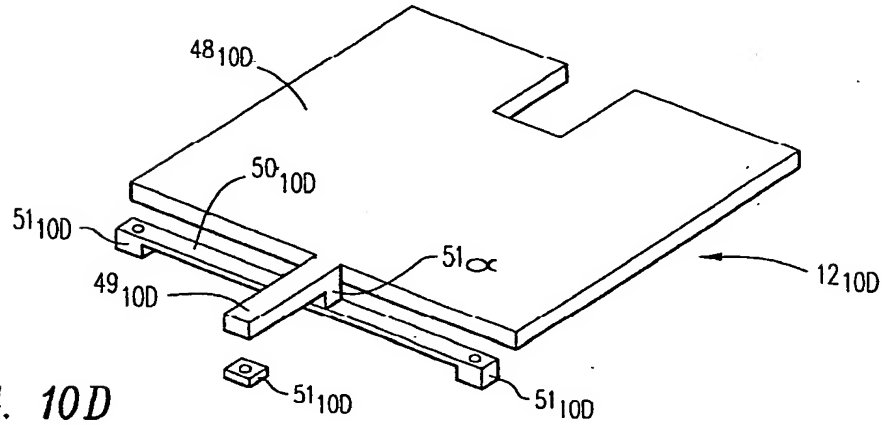


*FIG. 10D*

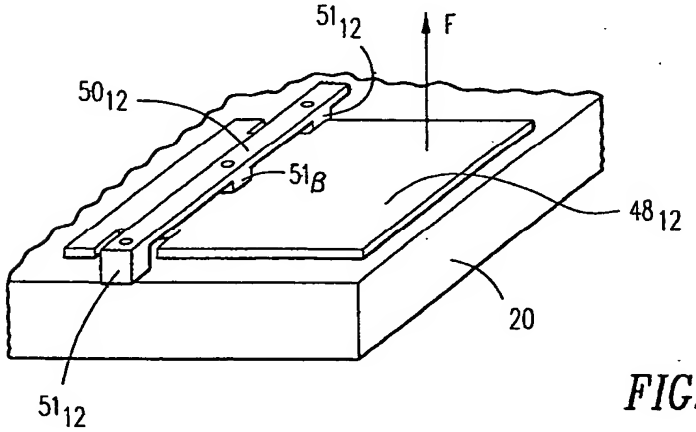


*FIG. 12*

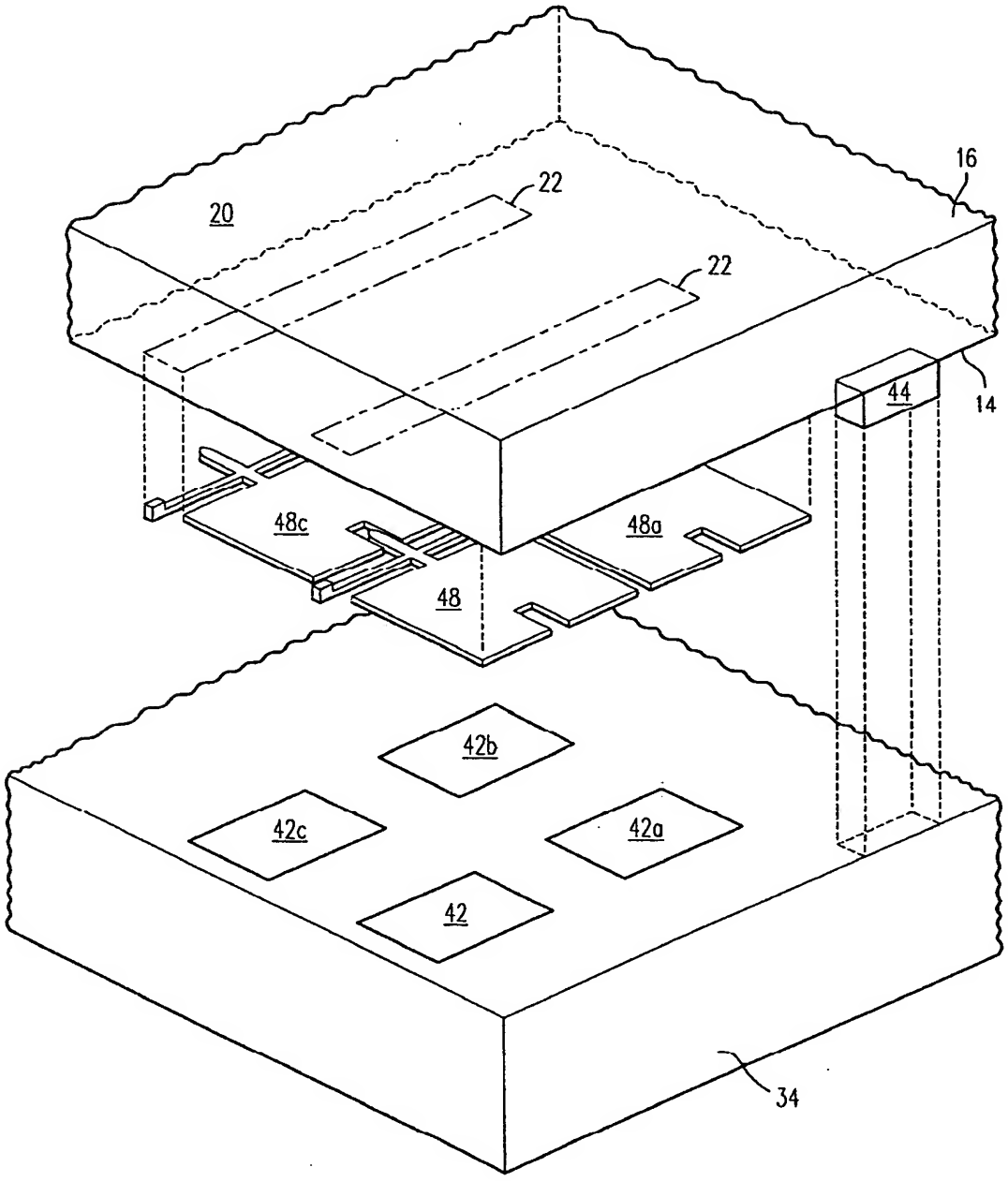


FIG. 13

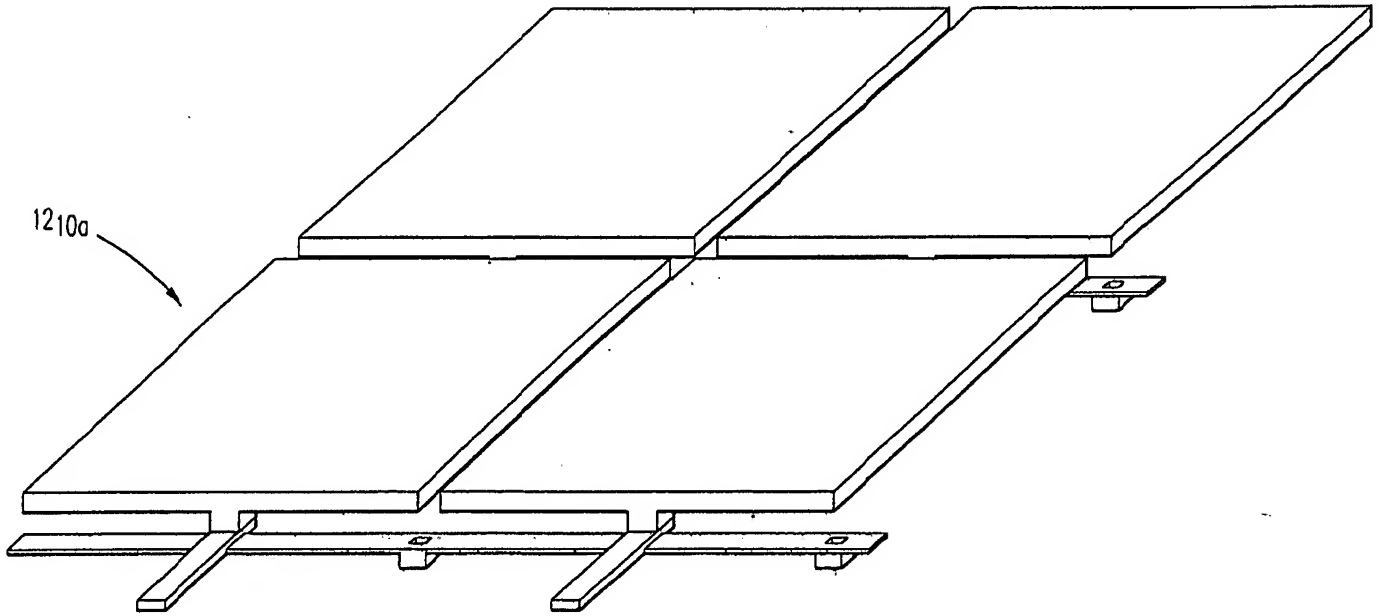


FIG. 14